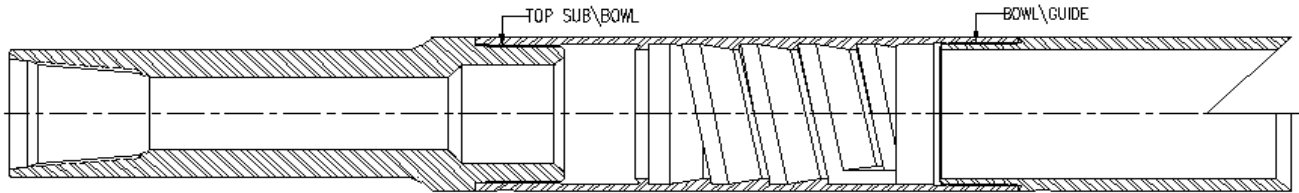


Series "150" Overshot Connection Make Up Torques & Strengths



O.D. in Inches	Part Numbers				Makeup Torque w/ Bowl (ft-lbs)*		Tensile Yield w/ Bowl (lbs)*	
	Assembly	Top Sub	Bowl	Guide	Top Sub	Guide	Top Sub	Guide
2 5/16	B8919	A8920	B8921	9404	600	80	78,800	9,500
2 21/32	C10199	A10200	B10201	A10206	1,300	200	137,200	23,700
3 1/8	9305	9311	9306	9312	2,000	400	191,200	34,400
3 3/8	C4623	A5083	B5088	A5093	2,700	700	235,000	54,700
3 5/8	C5080	A5081	B5082	A5087	2,700	900	218,700	71,900
3 5/8	9270	9276	9271	9275	2,500	500	210,000	40,300
3 3/4	37585	37586	37587	37592	2,600	500	208,500	42,000
3 15/16	C5101	A5102	B5103	A3598	1,900	900	141,000	64,700
3 7/8	C1835	A1842	B1836	A1841	2,400	800	195,600	55,400
4 1/8	9105	9106	9107	1746	3,500	1,000	264,100	69,800
3 7/8	21300	21301	21302	21307	1,700	400	137,600	27,800
4 3/8	C4619	A4620	B4621	A4622	4,400	1,300	286,100	80,000
4 9/16	C5151	A5152	B5153	A4341	5,500	1,600	347,400	97,500
4 11/16	9109	9110	9111	6667	3,400	1,300	225,300	81,100
4 5/8	C5129	B5130	B5131	A5135	5,700	1,200	361,600	73,300
4 11/16	9120	9110	9121	9125	3,400	1,000	225,300	63,800
4 7/8	C5154	A5155	B5156	A5161	6,200	1,100	368,000	67,600
5 9/16	5896	5897	5898	187	9,000	2,600	496,900	137,000
5 1/2	C4969	A4970	B4971	M1138	7,800	1,700	404,200	89,300
5 5/8	5698	5699	5700	1143	7,100	1,700	370,800	91,200
5 5/8	C5168	A5169	B5170	B2203	6,900	1,900	350,700	98,700
5 3/4	8975	8976	8977	6121	8,100	1,600	414,400	84,400
5 29/32	C5171	A5172	B5173	B4371	8,200	2,200	409,100	105,300
6 1/8	7787	7789	7788	5946	9,000	2,400	425,700	119,400
5 3/4	C11823	A11824	B11825	A11830	5,500	1,600	266,500	74,900
6 3/8	6655	6656	4503	4504	10,400	3,400	473,400	151,700
6 1/2	4773	4774	9205	4775	8,400	2,900	395,200	132,500
6 5/8	8625	8626	8617	8621	9,500	3,300	415,800	141,700
7 3/8	9692	9693	9694	9691	13,500	3,700	560,100	152,600
7 5/8	8741	8742	1641	5525	16,000	4,700	619,500	187,500
7 7/8	C2108	B2106	B2109	A2072	31,100	6,400	1,171,100	236,900
7 5/8	9860	9861	9862	9867	12,100	4,000	485,600	158,400
8 1/8	C5342	A5343	B3711	A2376	22,900	6,800	809,500	240,000
7 3/4	4785	9133	9134	9139	13,200	4,200	521,300	161,300
8 1/4	C3032	A3033	B3034	A1818	18,200	7,000	642,100	246,600
7 7/8	C5222	A5223	B5224	A5229	11,300	4,400	409,200	159,200
8 1/8	9217	9218	9219	9226	17,300	4,600	648,700	170,700
8 3/8	C5354	A5355	B5356	A5361	14,500	5,200	496,800	175,600
9 5/8	264	265	266	240	26,400	10,200	805,600	303,200
9 1/2	4834	9063	9062	9059	20,300	6,200	649,500	197,200
10 1/8	8960	8961	8962	8959	32,500	10,200	969,300	302,600
10 5/8	C5321	A5322	B5323	A5328	37,200	13,100	1,009,900	350,400
11 1/4	C12822	A12823	B12824	A12829	39,500	15,700	995,350	394,700
11 3/4	5329	5330	5331	5336	52,200	16,100	1,277,400	387,600
12 3/4	15800	15801	15802	15806	51,700	16,100	1,214,900	376,900
13 3/4	33006	33007	33008	33012	70,500	17,600	1,541,100	385,300
16	68028	68029	68030	68035	111,200	34,670	1,972,600	614,800
16 3/4	64553	64554	64555	64560	107,500	26,670	1,932,900	479,700

* The above torque values are the maximum recommended torque values and are set at 50% of the calculated theoretical yield torque. These torques are not required for all fishing jobs and lower torque values will work with less wear and tear to the threads. It is assumed that the torque is applied evenly to the OD so as to not collapse the OD. The above tensile strengths are calculated theoretical tensile yield strengths and are considered accurate to ±20%. It should be noted that all strengths assume straight and steady pulling of a fully engaged round fish. Any long marks, damage to the Bowl's surface, or jarring can reduce the strength substantially.